

Amendments to the Claims:

The following listing of claims replaces all prior listings and versions of the claims in this application.

Listing of the Claims:

1. - 8. (Cancelled).

9. (Previously Presented) A kit for detection and quantification of human papillomavirus, comprising a) the amplification primers SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5/SEQ ID NO:6, SEQ ID NO:7 and SEQ ID NO:8, and the probes SEQ ID NO:21, SEQ ID NO:22 and SEQ ID NO:23/SEQ ID NO:24, for HPV 16, 31, 18, 45; and optionally b) the amplification primers SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13/SEQ ID NO:14, SEQ ID NO:15, SEQ ID NO:16 and SEQ ID NO:17/SEQ ID NO:18 and the probes SEQ ID NO:25, SEQ ID NO:26 and SEQ ID NO:27/SEQ ID NO:28/SEQ ID NO:29 for HPV 33, 35, 39, 52, and 58.

10. (Previously Presented) A kit according to claim 9, further comprising c) the amplification primers SEQ ID NO:19 and SEQ ID NO:20 and the probe SEQ ID NO:30, for detection and quantification of the amount of a human single copy gene.

11. (Original) A kit according to claim 10, wherein the gene is HUMPBGDA, Homo sapiens hydroxymethylbilane synthase gene, accnr M95623.1.

12. (Previously Presented) A kit according to claim 9, further comprising d) at least two different fluorophores.

13. (Previously Presented) A kit according to claim 10, further comprising d) three different fluorophores.

14. (Previously Presented) A kit according to claim 9 for detection and diagnose of cervical cancer.

15. -17. (Cancelled).

18. (Previously Presented) A kit according to claim 10, further comprising d) at least two different fluorophores.

19. (Previously Presented) A kit according to claim 11, further comprising d) at least two different fluorophores.

20. (Previously Presented) A kit according to claim 11 for detection and diagnose of cervical cancer.

21. (New) A kit for detection and quantification of human papillomavirus, comprising a) forward and reverse E7 amplification primers for HPV 16, forward and reverse E1 amplification primers for HPV 18 and 45, and forward and reverse E6 amplification primers for HPV 31, and probes therefore; and optionally b) forward and reverse L1 amplification primers for HPV 33, 52 and 58, forward and reverse E7 amplification primers for HPV 39, and forward and reverse E4 amplification primers for HPV 35, and probes therefore.

22. (New) A kit according to claim 21, further comprising c) forward and reverse amplification primers and a probe therefore, for detection and quantification of the amount of a human single copy gene.
23. (New) A kit according to claim 22, wherein the gene is HUMPBGDA, Homo sapiens hydroxymethylbilane synthase gene, accnr M95623.1.
24. (New) A kit according to claim 21, further comprising d) at least two different fluorophores.
25. (New) A kit according to claim 22, further comprising d) three different fluorophores.
26. (New) A kit according to claim 21 for detection and diagnose of cervical cancer.